

## *McCoy Lake Watershed*



October 2001

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### **TRIBAL PROGRAMS INVOLVED**

- Wildlife Program
- Water Resources Program
- Tribal Fish Hatchery
- Fisheries Program
- Tribal Parks Department
- Wildlife Committee

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### **McCoy Lake Watershed Management Area (MLWMA)**

- Watershed Size
  - Approximately 7,000 acres
- Within Spokane Indian Reservation
  - 5,660 acres (approx.)
- Outside Spokane Indian Reservation
  - 1,316 acres (approx.)

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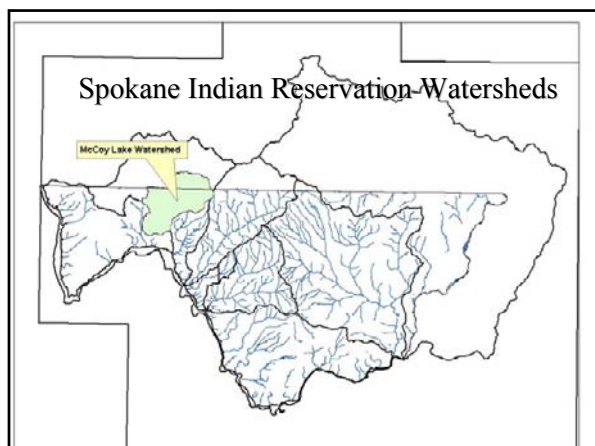
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**Goals for Watershed:**  
**Developed by Spokane Tribes Department of Natural Resources**

- Year round flow to McCoy Lake
- Tribal Water Quality Standards be met for McCoy Creek
- Terrestrial Habitat enhancements and restoration within the watershed
- Reconnection of streams for water to flow to McCoy Lake

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**Areas of Concern**

- **Introduction of Non-Native Fish into McCoy Lake**
  - Large Mouth Bass
- **Garbage within Lake and shoreline**
- **Surface Water Supply**
- **Grazing**
  - Past streamside vegetation removal
- **Roads**
  - Erosion of roads – filtering into streams
  - Culverts – 4 identified as potential fish passage barriers

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### Funding Sources

- Bonneville Power Administration
  - Joint Stock Assessment Program
    - Baseline stream and lake habitat and fisheries assessment
  - Land Acquisition & Operations and Maintenance
- EPA
  - Coordinated Tribal Water Quality Program
  - Sec. 106 – Clean Water Act – flows and water quality
- United States Department of Agriculture
  - Natural Resources Conservation Service (NRCS)
    - EQIP and WHIP Programs

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### Funds Expended in Watershed

- Bonneville Power Administration
    - \$2,642,706.21 – Land Acquisition
    - Approx. \$350,000 – Operations and Maintenance (1996 to 2006) Avg. \$35,000 per year
  - Environmental Protection Agency
    - \$19,000 – Stream Reconnections and water quality monitoring
  - Natural Resources Conservation Service
    - \$241,050 Habitat enhancements / restoration
- Total Dollars Spent in MLWMA: \$3,252,756.21**

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### McCoy Lake Watershed

Land Base: Pre-Wildlife Acquisition

- Fee Lands : 3,542 acres
- Allotments: 628 acres
- Tribal Trust: 2,830 acres

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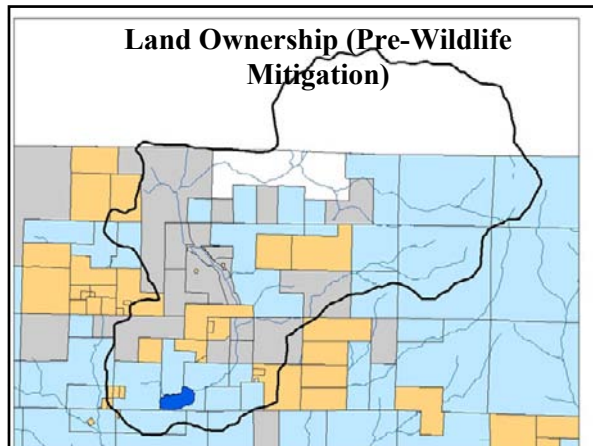
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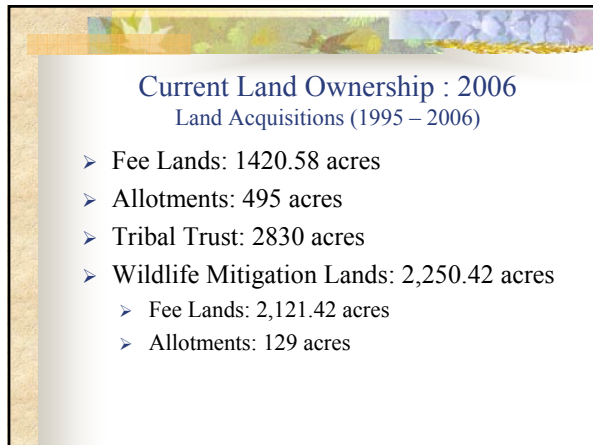
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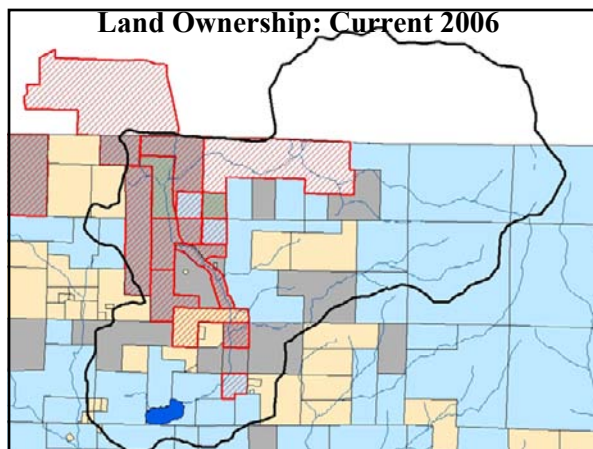
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**McCoy Lake Receding  
2001 to 2005**

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**STREAM RECONNECTIONS**  
Environmental Protection Agency (EPA)  
Northwest Indian Fish Commission

- **2001 – People of Living God**
  - 1000 Feet
- **2004 – Anderson**
  - 2640 Feet

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### McCoy Lake Watershed Catch Basin

- Prior to 2005
  - Only 3,372 acres of drainage for water flow was captured and directed to McCoy Lake
- After Reconnection
  - 6,965 acres of drainage for water flow is now directed towards McCoy Lake

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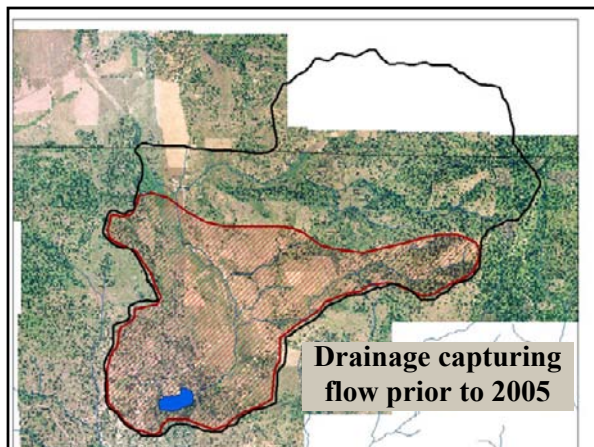
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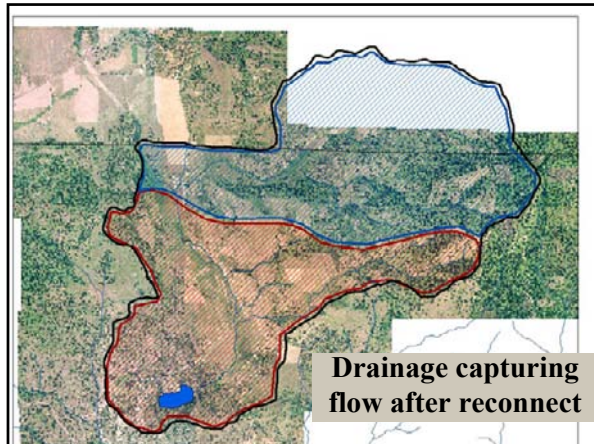
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### Water Flows (cfs) - 1999 to 2006

Date	Location	Flow		
1/28/1999	MC1	1.85	Min	0.79
2/15/1999	MC1	3.96	Max	10.03
3/1/1999	MC1	10.03	Avg.	3.51
4/29/1999	MC1	0.94		
5/27/1999	MC1	0.79		
1/28/2000	MC1	2.12	Min	1.23
2/15/2000	MC1	3.02	Max	3.95
3/29/2000	MC1	3.95	Avg.	2.56
4/24/2000	MC1	2.48		
5/24/2000	MC1	1.23		
3/15/2001	MC1	1.06	Min	0.32
5/22/2001	MC1	0.32	Max	1.06
			Avg.	0.69
1/14/2003	MC1	0.13	Min	0.13
2/10/2003	MC1	1.01	Max	1.39
3/13/2003	MC1	1.16	Avg.	0.93
4/28/2003	MC1	1.39		
5/19/2003	MC1	0.96		
3/22/2004	MC1	0.00	Min	0.00
5/26/2004	MC1	0.86	Max	0.86
			Avg.	0.43
1/12/2006	MC1	5.78	Min	4.15
2/6/2006	MC1	5.01	Max	5.78
3/6/2006	MC1	4.15	Avg.	4.76
4/3/2006	MC1	4.65		
5/1/2006	MC1	4.33		

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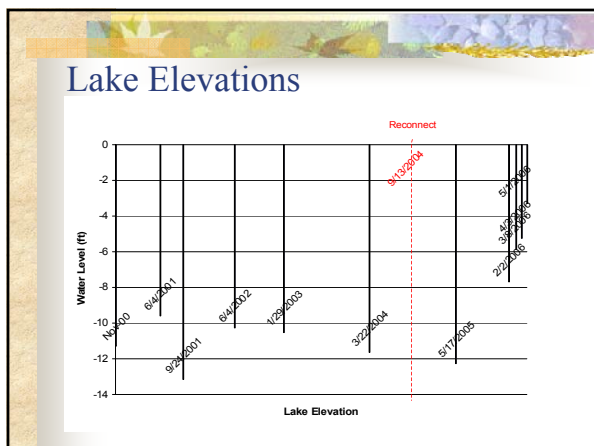
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## Wildlife Program

- McCoy Lake Wildlife Management Area
  - Goals
    - Restore Riparian Vegetation
    - Restore Upland Habitats
    - Increase water flows to McCoy Lake

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### Acknowledgements and Thanks

- Spokane Tribal Business Council
- Bonneville Power Administration
- Northwest Indian Fisheries Commission-CTWQP
- Environmental Protection Agency
- United States Department of Agriculture
- Wildlife Staff
- Water Resources Staff
- And especially the West-End Community and Reservation Residents

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**Where do we go from here?**

April 25, 2006

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